

## GENETICS

The genetics of marine fishes is an almost totally unexplored field. Fish genetics has been restricted to aquarium fishes and those commonly raised in hatcheries. The techniques and results of these studies should be transferred to the marine field. Temperature tolerance and resistance to disease are known to be genetically determined. The degree to which the meristic traits used to separate geographical races are inherited should be investigated, as well as the possibility the growth rates may have subject to genetic variation.

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### List of Projects

1. Genetic determination of the metameric characters of the haddock
2. Genotypic variation in growth rates of groundfish
3. Chromosomal differences in sympatric species

Investigation: Genetic Studies  
Biological Laboratory: Woods Hole, Mass.

## SUMMARY OF ROLL SCHEDULE

\*Total needed by Laboratory for project in thousands of dollars.

65/6/L  
#12#

Delay pending funds  
Personnel